

ABSTRACT OF THE DISCLOSURE

A duplexer includes two surface acoustic wave filters that are formed on one substrate, at least one of the two surface acoustic wave filters being a ladder  
5 filter. In this duplexer, the positional difference between the centers in the surface acoustic wave propagating direction of each two neighboring comb-like electrodes among comb-like electrodes that form series-arm resonators in the ladder filter is equal to or  
10 smaller than a fourth of the length in the propagating direction of the comb-like electrode having the larger number of pairs of electrode fingers of each two neighboring comb-like electrodes.